

ABSTRACT

An improved method and system for transmitting a stream of data bytes through a channel whose capacity may change during transmission. By utilization of selective regions of sequence number space, the enhanced radio link protocol (RLP) provides the benefits of large byte sequence numbers while transmitting a fraction of the sequence number bits in the majority of over-the-air frames. Frame header sequence numbers are shortened by dividing the byte sequence number by a page size, and by performing a modulo function on the byte sequence number.